

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. When strikethrough cannot easily be perceived, or when five or fewer characters are deleted, [[double brackets]] are used to show the deletion. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (previously presented) A graphical user interface, comprising:
a first region control initiating a first function when activated;
a second region control associated with the first region control having an outer edge and initiating a second function;
a tracking menu boundary surrounding the first and second region controls and coincident with the outer edge; and
a tracking symbol tracking a position of a position transducer moved by a user, movable within the first and second region controls, initiating movement of the interface to track the tracking symbol when the boundary is encountered by the tracking symbol during movement of the tracking symbol and indicating event focus for activating and performing the first and second functions.
2. (Original) A user interface as recited in claim 1, wherein the second region control surrounds the first region control.
3. (Original) A user interface as recited in claim 2, wherein the first region control is circular in shape.
4. (Original) An interface as recited in claim 1, wherein the second region control is a most frequently used function.
5. (Original) An interface as recited in claim 1, wherein the first function is a zoom function and the second function is a pan function.

6. (Original) An interface as recited in claim 1, wherein the interface is semi transparent when the functions are not activated, transparent when the functions are activated and one of a zoom and pan icon replaces the tracking symbol when the functions are activated.

7. (Original) An interface as recited in claim 1, wherein the first region control is circular shaped and the second region control is ring shaped.

8. (Original) An interface as recited in claim 7, wherein the second region control is made invisible during movement and an icon for the second region control is displayed when the tracking symbol is over the second region control.

9. (Original) An interface as recited in claim 7, wherein the second region control is segmented into ring segments each being a different control.

10. (Original) An interface as recited in claim 7, further comprising a ring control having a ring shape surrounding the second control region and initiating a third function when activated.

11. (Original) An interface as recited in claim 10, further comprising a button control initiating a third function when activated and located on a boundary between the first and second region controls.

12. (Original) An interface as recited in claim 10, further comprising a button control initiating a third function when activated and located within a region.

13. (currently amended) An interface as recited in claim 1, wherein the interface is transparent when the one of the functions are activated and semitransparent when the functions are not activated.

14. (Original) An interface as recited in claim 1, further comprising a button control initiating a third function when activated and located on a boundary between the first and second region controls.

15. (previously presented) An interface as recited in claim 1, further comprising button controls initiating a function when activated and located on a boundary between the first and second region controls and creating access channels for movement of the tracking symbol within the interface.

16. (Original) An interface as recited in claim 1, wherein the second region control has an exterior graphic edge and the tracking boundary coincides with the exterior graphic edge.

17. (Original) An interface as recited in claim 1, wherein the interface is invoked by pressing an activation key.

18. (Original) An interface as recited in claim 1, wherein the interface is displayed while an activation key is active.

19. (previously presented) A graphical user interface, comprising:
a circular shaped first region control initiating a zoom function when activated;
a ring shaped second region control surrounding the first control region control and initiating a pan function when activated;
a ring control having a ring shape surrounding the second control region having an outer edge and initiating a third function when activated, the third function being a most frequently used function;
a button controls initiating an additional functions when activated, located on a boundary between the first and second region controls and creating access channels for movement of the tracking symbol within the interface;
a tracking menu boundary surrounding the ring control and coincident with the outer edge,

wherein the interface is semi transparent when the functions are not activated, transparent when the functions are activated and function icon replaces the tracking symbol when the functions are activated,

wherein the second region control is made invisible during movement and an icon for the second region control is displayed when the tracking symbol is over the second region control, and

wherein the second region control has an exterior graphic edge and the tracking boundary coincides with the exterior graphic edge.

20. (previously presented) A user interface, comprising:

a movable control having a first function activatable in an entire peripheral region of the control and a second function activatable in a central region of the control having an exterior edge; and

a tracking symbol movable within the control and moving the control when the exterior edge of the peripheral region is encountered.

21. (previously presented) A user interface, comprising:

a tracking menu having a first function activatable in an entire peripheral region of the menu and having an exterior edge, a second function activatable in a central region of the menu and a tracking symbol tracking a position of a user positionable input transducer and causing the menu tool to move when the exterior edge is encountered.

22. (previously presented) A method, comprising:

displaying a pan-zoom tracking menu tool having an exterior edge;

allowing a user to select pan and zoom operations using the tracking menu tool and an input transducer; and

performing a selected one of the pan and zoom operation responsive to movements of the input transducer by the user and causing the menu to move when the exterior edge is encountered.

23. (Original) A method as recited in claim 22, displaying a corresponding pan and zoom tracking symbol icon as a replacement for the tool during the performing.

24. (Original) A method as recited in claim 23, wherein replacement occurs when the tool is pinned.

25. (Original) A method as recited in claim 22, further comprising designating a zoom control axis responsive to initial movement of the input transducer after the zoom operation is selected.

26. (Original) A method as recited in claim 25, further comprising controlling a zoom scale factor responsive to a projection of transducer movements onto the control axis.

27. (previously presented) A method as recited in claim 22, wherein the tool includes a replaceable control and said method further comprises designating the replaceable control as the most recently selected pan and zoom operation.

28. (Original) A method as recited in claim 22, wherein the tool can be pinned and the tool is unpinned when the transducer moves beyond an unpin border.

29. (previously presented) An apparatus, comprising:
a display;
a pen type input transducer; and
a computer coupled to the display and transducer and providing a pan-zoom tracking menu on the display and allowing a user to select and perform pan and zoom operations using the transducer input and moving the menu when an outer edge of the menu is encountered.

30. (previously presented) A computer readable storage controlling a computer via a pan-zoom tracking menu having the appearance of a center and a surrounding ring and interpreting transducer input events as pan and zoom selection and control events and interpreting transducer motion as a menu move event when an outer edge of the menu is encountered.

31. (previously presented) A computer readable storage controlling a computer by producing a graphical user interface on a display that has an appearance of a center and a surrounding ring graphic, moving the graphic on the display as a tracking menu responsive to movement of a pen when an outer edge of the surrounding ring graphic is encountered, and interpreting input events initiated by the pen as pan and zoom selection and control events.

32 (previously presented) A graphical user interface, comprising:
a pan-zoom tracking menu having a zoom control in a center and a pan control surrounding the zoom control and with the tracking menu moving when an area immediately outside the menu is about to be reached.